# This Page Is Inserted by IFW Operations and is not a part of the Official Record

# **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

### IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

PTC/SB/81 (08-03)
Approved for use through 11/30/2005, OMB 0651-0035
U.S. Patient and Trademark Office; U.S. DEPARTMENT OF COMMERCE
a collection of information unless it displays a valid OMB control number.
Number 1

Under the Paperwork Reduction Act of 1995, no persons are re-	o.o. Faters and Fe noticed to respond to a collection of i	Trademark Office; D.S. DEPARTMENT OF COMMERC		
POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	unknown		
	Filing Date	herewith		
	First Named Inventor	Gerry R. BOSS Solid Phase Isolation of Proteins, Nucliec		
	Title			
	Art Unit	Unknown		
	Examiner Name	Unknown		

			Attorney Docket	lumber	6627-PA8108	
Lhombu	appoint:					
I nereby i	appoint: ·	Г		<del></del>		
<b>₽</b> rr	actitioners associated	with the Customer Number:	2	7111		
OR						
Pro	ectitioner(s) named b	elow;				
	-	Name		Reg	istration Number	
Trademan	k Office connected th	s) to prosecute the application is erewith.	dentified above, and to	transact all b	usiness in the United States i	Patent and
Please red	cogni≥e or change the	e correspondence address for th	a above identified and	dissline Ac.	· · · · · · · · · · · · · · · · · · ·	
		ed with the above-mentioned Cu		mozuori to.		
<b>OR</b>		_				
						•
<u></u>	The address associat	ted with Customer Number:				
OR	<u> </u>					
	Firm or Individual Name					- <del></del>
Add	ress				···· ······	
Add	ress			····		
City		<u> </u>	State		Zip	V.
Cou					<del></del>	
	phone		Fax			
l am the:	pplicant/Inventor.			- <del>1</del>		
	· -	he entire interest. See 37 CFR 3				
S	latement under 37 C/	FR 3.73(b) is enclosed. (Form P1	7.71. FO/SB/96)			
·			opticant or Assignee	of Record		
Name	Alan Paau Assista	t Vice Chancellor				
Signature		in salu		<del></del>		
Date	January	27. 2004		Téleph	one 858-534-5815	
NOTE: Signa forms if more	tures of all the inventors than one signature is re	or assignees of record of the entire in equired, see below.	interest or their represent	per ens (s)evite	ulred. Submit multiple	
10		orms are submitted				

This collection of Information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is settimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATE	MENT UNDER 37 CFR 3.73(b)
Applicant/Patent Own r. The Regents of the University	ty of California
Application No./Patent No.: unknown	Filed/Issue Date: herewith
Entitled:	
(Nome of Assignon)	. 8
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:  1.   the assignee of the entire right, title, and inter	rest; or
2. an essignee of less than the entire right, title a The extent (by percentage) of its ownership in the patent application/patent identified above by	ntenest is%
A. [ ] An assignment from the inventor(s) of the part in the United States Patent and Trademark Off attached.	tent application/patent identified above. The assignment was recorded fice at Reel, Frame, or for which a copy thereof is
OR	
B. [ ] A chain of title from the inventor(s), of the pate below:	ent application/patent identified above, to the current assignee as shown
The document was recorded in the Unit	To: ————————————————————————————————————
The document was recorded in the Unit	ted States Patent and Trademark Office of
	, or for which a copy thereof is attached.
3. From:	To:
Rest, Frame	ted States Patent and Trademark Office at, or for which a copy thereof is attached.
[ ] Additional documents in the chain of title	
[v] Copies of assignments or other documents in the [NOTE: A separate copy (i.e., the original assign	e chain of title are attached.  ment document or a true copy of the original document)
The undersigned (whose title is supplied below) is au	-
January 27, 2004	_ Alan Peau
Date	Typed by printed pane
858-534-5815	_ Wantaan
Telephone number	Signature /
	Assistant Vice Chancellor Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form analyor suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket Number 6627-PA8108

First Named Inventor

**DECLARATION FOR UTILITY OR** 

DE	SIGN	Fi	irst Named Inventor	Gerry R BOSS					
PATENT A	PPLICATIO	ON T	CO	MPLETE IF KNOWN					
(37 CF	FR 1.63)	A	pplication Number	Unknown					
Declaration	Declara	luon	iling Date	Herewith					
Submitted OR With Initial	Filing (s	surcharge	rt Unit	Unknown					
Filing	require	R 1.16 (e))	xaminer Name	Unknown					
I hereby declare that:									
Each inventor's residence, mailing address, and citizenship are as stated below next to their name.									
	-								
I believe the inventor(s) name which a patent is sought on the			ventor(s) of the subje	ct matter which is cla	imed and for				
SOLID PHASE ISOLA	TION OF F	PROTEINS, NUC	CLEIC ACIDS AN	ND OTHER					
MACROMOLECULES	3								
		(Title of the In	vention)						
the specification of which									
is attached hereto									
OR					·				
was filed on (MM/DD/Y	YYY)		as United States Ap	plication Number or I	PCT International				
					7				
Application Number		and was amended o	` ' l		(if applicable).				
I hereby state that I have review amended by any amendment			the above identified s	specification, including	g the claims, as				
I acknowledge the duty to di	sclose informa	tion which is materia	I to patentability as o	defined in 37 CFR 1	56 including for				
continuation-in-part application and the national or PCT intern	ns, material infe	ormation which becar	ne available between						
I hereby claim foreign priority	benefits unde	r 35 U.S.C. 119(a)-(c	d) or (f), or 365(b) of	f any foreign applica	tion(s) for pat nt,				
inventor's or plant breeder's ricountry other than the United									
application for patent, inventor	r's or plant bree	eder's rights certificate							
before that of the application of Prior Foreign Application	n which phonty	Foreign Filing D	ate Prior	ity Certified	Copy Attach d?				
Number(s)	Country	(MM/DD/YYYY			No				
60/443,231	US	01/28/03							
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.									

[Page 1 of 2]
This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTC/SB/01 (06-03)
Approved for use through 07/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# **DECLARATION** — Utility or Design Patent Application

Direct all correspondence to:	Custome	r Number:		7111		OR		Corres	spondence address below
Name				,					
	:								
Address									
City				Stat	8				ZIP
Country		Telephon	8			Fax			
						1			
I hereby declare that all staten	nents made ner	ein or my	OWN KNOW	eage	are tru	e and	mat all	statem	ents made on information
and belief are believed to be statements and the like so ma	do oso pumiebal	ner viai	unese siai		ns were	o made	doe 10	THE C	OWIBOGE THAT WINTED 12156
false statements may jeopardiz								U.S.C.	1001 and that such willing
terse econimics may jeopardiz	D are variory or	nio appic		y pac		100 110		*****	ALOND LIVELAND
NAME OF SOLE OR FIRST IN	VENTOR:			etition				a unaig	ned inventor
Given Name						amily I			
(first and middle [if any]) Gen	v R.				or Surname BOSS				
	· · ·						····		•
Inventors		·	-						Date
Signature X	<u>un E</u>	<u> </u>	20-10						1/26/04
Residence: City	State <			Cou	ntry			Citize	nship
La Jolla	CA			US				US	
Mailing Address									
6309 Muirlands Dr.									
City	State				ZIP			, ,	Country
La Jolia	l ca				92037	ı		ſ	นธ
		-,		Т	1				
NAME OF SECOND INVENTO	R:				Ap	atition h	as bee	n filed	for this unsigned inventor
Given Name						amily N			
(first and middle [if any])					Of	Sumai	mé	JONES	<b>.</b>
Inventor's						-	•	I	Date
Signature									08(8
Residence: City	State			Cou	ntry			Citize	nship
San Diego	CA			บร	•			us	•
					**************************************				
Mailing Address 11069 Bootes St									
City	State				ZIP			Count	try
· •	ام			•	00400				-
San Diego	CA				92126			U8	
Additional inventors or a legal re	presentative are bel	ng nemed on	the 2 ±	upplem	ental she	et(s) PTC	VSB/02A	or 02LR	attached hereto.

PTO/888/01 (06-02)

Approved for use through 67/31/2003, OMS 6861-0032

U.S. Penert are tracement Oraci; U.S. DEPARTMENT OF COMMERC.

Under the Penertyck Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a waitd CMB control number.

#### **DECLARATION** — Utility or Design Patent Application

	<del> </del>									
Direct all correspondence to:	Customs	er Number:		2711	1	OR		Corre	spondence addres	e below
Name									,	
Address										
City				S	ate				ZIP	
Country		Telephone				Fax				<del></del>
I hereby declare that all state and belief are believed to i statements and the title so in false statements may jeopard	be true; and fur ade are curished	ther that t	heee at: or imoris		nnis w	ere medi	with	the for	andadaa Mas	E-1
NAME OF SOLE OR FIRST!	NVENTOR:			oeffik	n has i	haan Slar	i for th	ملمديد عث	ned inventor	
Given Name (first and middle [if any]) Go	my R.					Family I or Sum	Marne The	BOSS	PIES SINGIST	
triventor's Signature	·				······································				Date	<del></del>
Residence: City	State			Co	untry			CHT	nehip	
La Jolia	CA	•		US	•			us		
Mailing Address 6309 Mulriands Dr.				<b>-</b>			-	<u> </u>		
City	State				ZIP				Country	
a Jolia	CA				9203			ı	Country US	
NAME OF SECOND INVENT	DR: // / /o	.1		Īг	7 1	pellion h			br this unsigned in	
Given Name	47010	7			F	amily Ne	me			VERIEN
(first and middle [if any]) Stephe	m B.				٥	r Surnen	10	JONES		
Inventor's Signature	le land							T	Date	
Residence: City	State		···	Con	ntry				1/20/04	/
an Diego	CA			US				Citizer US		
Mailing Address 1069 Bootes St					<u>.                                    </u>	· · · · · · · · · · · · · · · · · · ·	I			
Xiy	State	······		-	ZIP			· O		
an Diego	CA				92126			<b>Count</b> r US	<b>y</b> .	
Additional inventors or a legal rep	gried was eviluineers	named on the	2 =		مراد الماد	elle) PTC-		.070	lached hereto.	
							CONTRACT O	TUZLR #	miched hereto.	

Approved for use through 08/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ADDITIONAL INVENTOR(S)

DECLARATION	Supplem	Supplemental Sheet				
				Pac	re 1 of 2	
Name of Additional Joint Inventor, if any:		☐ Ap	etition has been filed	for this unsigned	inventor	
Given Name (first and middle (if any)			me or Surname	41.0/8.100	- TITCHEON	
Jeffrey C.		CHEN				
Inventor's A. Jr. Cle				1 1/	126/04	
San Gabriel Residence: City	State	A .	US Country	ľ	US	
8351 E. Wédon St Mailing Address				Citizensh	пр	
Mailing Address						
San Gabriel City	State	CA	91775 Zlp	US Countr		
Name of Additional Joint Inventor, if any:		☐ A pel	ition has been filed fo			
Given Name (first and middle (if any)		nily Name or Surname				
Friederike		,	on LINTIG			
Inventor's Signature		Date				
San Diego Residence: City 4714 Pescadero Ave	CA State		US Country		U8 Citizenship	
Mailing Address					1 avec isinp	
Mailing Address						
San Diego City	CA		92107	US		
Name of Additional Joint Inventor, if any:	State		Zip	Country		
Given Name (first and middle (if any)	T	A peu	ion has been filed for		ventor	
Stephanie	Family Name or Sumame					
Inventor's Signature		Date				
Residence: City	State		US		U\$	
2 Pistache Ct Mailing Address			Country		Citizenship	
Malling Address						
Petaluma Dity	Ç/ State		94952 7io	Us		

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ff you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/02A (08-03)

Under the Paperwork Reduction Act of 1995, no persons are	e requin	ed to	U.S. P respond to a coll	atent a			/2003, OMB 0651-003; VENT OF COMMERCE of OMB control number	
DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 2							
Name of Additional Joint Inventor, if any:			A pe	rtition h	nas been filed for this	unsigned in	ventor	
Given Name (first and middle (if any)								
Jeffrey C.				CHEN				
Inventor's Signature						Date		
San Gabriel Residence: City		C/ State	4	Coun	us ntry		US )	
8351 E. Wedon St Mailing Address								
Malling Address								
San Gabriel City		State	CA )		91776 Zip	US Country		
Name of Additional Joint Inventor, if any:			☐ A peti	ition ha	as been filed for this u	ınsigned in	ventor	
Given Name (first and middle (if any)					Family Name or S	Surname		
Friederike			<u> </u>	non LIN	TIG			
Inventor's Friedrich von Wich			Date	1 ( 2	712004			
San Diego Residence: City	$\prod_{i}$	CA State	US Country				US Citizenship	
4714 Pescadero Ave Malling Address							Oncorrona	
Mailing Address								
San Diego City		CA State			92107 Zip	US Country		
Name of Additional Joint Inventor, If any:			☐ A petit	tion ha	s been filed for this u	nsigned inv	entor	
Given Name (first and middle (if arry)					Family Name or Su			
Stephanie HO				HOFFMAN				
Inventor's Signature								
Petatuma Residence: City	s	c State	A	c	US ountry		US Cittzenship	
2 Pistache Ct Mailing Address								
Mailing Address								
Petaluma	$\top$	C	Δ		94952	911		

Zip Country This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

CA

State

City

94952

UŞ

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SBKQA (08/05)
Approved the max trickings (08/05)/2003, CARE (08/05)
COMMENCE
COMMENCE
COMMENCE

DEC PARATION		ADDITIONAL INVENTI Gupplemental Short	Parts of 2
Name of Additional Joint Inventor, if any:  Given Name (first and middle (if any)		A petition has been file	d for this unsigned inventor
Jeffrey C. Inventors		CIEN	
Signature Sen Cebriel Residence: City	C, State		Dete: U6
Raci E. Wedon St Malling Address	Locate	Country	Citzénehip
Malling Actines San Gabris		A 91771	
City  Name of Additional Joint Inventor, if any:	State	_	County
Given Name (first and middle (8 any)			The this unalgood inventor  Leans or Surname
Preserve		von ENTIG Date	
Inventore Storature Ser Sago	CA	. UB	i us
Residence: City 7714 Poscadero Ave Malling Addrese	State	) seems	Citeranp
Meiling Address Sen Diego City	T CA	207	. ys
Name of Additional Joint Inventor, if any	State	A patition has been fled	Country  Toy Dis unsigned inventor
Given Name (first and middle (if any)		Family N	enie o: Surveme
Inventors / ///		HOFFMAN	1, 200H
Signature Astronome Residence CRy	State	Date Sanuary 2 Vs. Us Country	US Citizanahip
2 Persone Ct Matting Address			
Melling Address Persons City	State	A 94652 Zip	C. US

The ophecian of information is required by 35 U.S. ... If and 37 CPR 1.03. The information is required to obtain to retain a benefit by the pasts which he had by the USPTO to proceed an application. Confidentially, is governed by 35 U.S.C. 122 and 3.1 CPR 1.14. The collection is estimated to take 21 criticals to complete in the confidence of the complete application. For the set USPTO. These set vitry depending upon the included case. Any complete the set was separated by the confidence of the series of the series of the series of the termination office. U.S. Patern and Trademark Office. U.S. Coparation of Course of the confidence of the series of the

If you need assistance in completing the form, cat 1-800-PTO-9199 (1-800-765-9199) and spled option 2.

Account to the Windship DRC172006 CMB 085 C0032
U.S. Hebert and Tradement Office. U.S. DEPARTMENT OF COMBERCE
ONLY A DEPARTMENT OF TOTAL COMBERCE
ADDITIONAL INVENTOR(8)
Supportmental Short DECLARATION Name of Additional Joint Inventor, if any: A pulition has been filled for this unsigned inventor Given Name (first and middle (V eny) Family Name or Sumarne Adam KIMMERLY inventor a 1-27-00 Signature LB Residence: City Country Citizenahip 10062 Portobelo Dr Mailing Address Malling Address San Diego US City State Name of Additional Joint Inventor, it any: A petition has been filed for this uneigned inventor Given Name (first and middle (if any) Family Name or Sumame Johni uu inventor's 1-27-04 Signature CA US: 1425 McQuesten Or., Apt 8 Mailing Address Malling Address CA State Country Name of Additional Joint Inventor, if any: A pelition has been filed for this unsigned inventor Given Name (first and middle (if any) Family Name or Surname Matthew Chalatopher MYCROFT inventor a Signature ( MALCO C Danuar Place Macin US Residence: City Sieta Countr 801 Skyland Dr Mailing Address

This collection of information is required by 55 U.S.O. 115 and 37 CFR 1.93. The information is required to obtain or retain a benefit by the public which is 65 the (and by the USP10 to receive) an expension. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is settlement to bits 21 minutes to completely partially greatering and automating 3% completely application form to the USP10 Time 46 kery depending upon the inflictable case. Any completely application for the USP10 Time 46 kery depending upon the inflictable case. Any U.S. Patrick of the purpose of the Crist Information (Officery U.S. Patrick of Transaction of the Crist Information (Officery U.S. Patrick and Transaction Case. U.S. Department of Commission F.C. See 1850 Assemblie, V.A. 22313-1450. DO NOT SEES OR COMPLETED FORMS. TO THIS ADDRESS, \$2500 TO. Commissions for Patricks, P.O. Box 1450 Assemblie, V.A. 22313-1450.

91024

: LES Country

Mailing Address

If you need assistance in completing the form, call 1-600-PTO-9199 (1-600-766-9199) and select option 2